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**From:** Miller, David [Miller.DavidJ@epa.gov]  
**Sent:** 8/30/2017 8:07:42 PM  
**To:** Niman, Aaron [niman.aaron@epa.gov]  
**Subject:** RE: Paraquat Literature Review & NTP Systematic Review  
**Attachments:** Paraquat SR protocol DRAFT 051517\_clean.docx

Please see me and attached. What's there was news to me as about a month ago. Haven't really been able to focus on it and I was in Amesbury when it came in.

David

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**From:** Niman, Aaron  
**Sent:** Wednesday, August 30, 2017 3:21 PM  
**To:** Woods, Stacy <woods.stacy@epa.gov>; Miller, David <Miller.DavidJ@epa.gov>  
**Cc:** Aldridge, Ashlee <Aldridge.Ashlee@epa.gov>  
**Subject:** RE: Paraquat Literature Review & NTP Systematic Review

**Ex. 5 Deliberative Process (DP)**

I will check in with him to see if he has thoughts/recommendations.

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**From:** Woods, Stacy  
**Sent:** Wednesday, August 30, 2017 3:04 PM  
**To:** Niman, Aaron <niman.aaron@epa.gov>; Miller, David <Miller.DavidJ@epa.gov>  
**Cc:** Aldridge, Ashlee <Aldridge.Ashlee@epa.gov>  
**Subject:** RE: Paraquat Literature Review & NTP Systematic Review

## Ex. 5 Deliberative Process (DP)

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**From:** Niman, Aaron  
**Sent:** Wednesday, August 30, 2017 2:58 PM  
**To:** Miller, David <Miller.DavidJ@epa.gov>  
**Cc:** Woods, Stacy <woods.stacy@epa.gov>; Aldridge, Ashlee <Aldridge.Ashlee@epa.gov>  
**Subject:** Paraquat Literature Review & NTP Systematic Review

David, Stacy, and Ashlee,

During our TEB meeting today, we briefly discussed that Austin Wray will be leading a systematical literature review of Paraquat <-> Parkinson's that will be conducted by National Toxicology Program (NTP) and include human observational studies.

Given our related review work with Westat, I have reviewed the extent of overlap between NTP's literature review (via contractor ICF) and the EndNote Library compiled by Westat. A summary of this comparison is provided below and my more detailed spreadsheet is attached for your reference.

#### Westat Lit. Screening

- 474 = potential human studies (Paraquat and all outcomes)
- ~44 = studies relevant for Paraquat epidemiology review
- ~19/44 = studied focused on Parkinson's Disease

#### NTP/ICF Lit. Screening

- 22 = relevant human studies for their systematic review
- 19 of these 22 studies were also identified in Westat review

## Ex. 5 Deliberative Process (DP)

Let me know if you have any questions.

Thanks,

-Aaron

#### **Aaron Niman**

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